



FIG. 1

1 l-d. phoneme (37)	$9_f, 9_g, @_p, D_s, E_g, G_s, H_f, J_i, L_i, L_p,$ $O_g, SS_i, Y_g, Z_i, a_g, bb_i, d_g, dd_i, e \sim f,$ $e \sim p, gg_i, h_g, i \sim p, j \sim p, k_g, l_g, ll_i, l \sim p,$ $mm_i, pp_i, r_g, u \sim p, w_f, w_p, y_f, y_g, z_s$
2 l-d. phonemes (39)	$2_f + 2_g, 9 \sim f + 6 \sim p, E_i + E_g, J_f + J_i, J_s + J_p,$ $L_s + LL_i, N_s + N_g, O_p + O_i, S_g + S_f, S_i + S_s,$ $S_p + C_g, T_s + ff_i, Z_p + Z_f, a_p + a_g, a \sim f + O \sim p,$ $b_g + p_i, b_i + b_s, b_p + b_f, d_p + d_f, d_s + d_i,$ $e_p + e_g, g_p + g_f, g_s + g_i, j_i + j_g, j_s + j_f,$ $k_i + g_g, n_p + nn_i, o_f + U_g, o_g + o_p, o \sim f + w \sim p,$ $rr_i + rr_s, ss_i + z_g, u_p + u_f, v_f + v_p, v_i + B_s,$ $w_i + v_g, w_i + w_s, x_g + R_f, x_s + R_p$
3 l-d. phonemes (9)	$@_g + @_f + 6_p, a_s + a_i + a_f, j_p + I_g + e_f,$ $o_s + o_i, O_f, r_s + r_p + r_i, t_g + t_i + t_s,$ $tt_i + t_f + t_p, u_s + u_i + u_g, z_i + z_p + z_f$
4 l-d. phonemes (5)	$e_s + e_i + E_f + E_p, kk_i + k_p + k_f + k_s, l_g + l_s + l_i + l_f,$ $n_s + n_i + n_g + n_f, p_p + p_f + p_g + p_s$
5 l-d. phonemes (4)	$f_i + f_s + f_g + f_f + f_p, i_s + i_i + i_g + i_p + i_f,$ $m_s + m_i + m_p + m_f + m_g, s_s + s_g + s_i + s_f + s_p$

FIG. 2